

ER Element Selection



Cylindrical

Good general purpose element.
 Excellent mechanical strength.
 Excellent thermal stability.
 Flow shield may be required for high-velocity systems.
Seal Materials: All Welded (Standard) or Glass

Element ID	Thickness	Probe Life
CT5	5 mil	2.5 mil
CT10	10 mil	5 mil
CT20	20 mil	10 mil
CT50	50 mil	25 mil



Large Flush

Ideal for pigged pipelines or high-velocity systems where intrusion into the flow stream is not permitted.
 Preferred over the small flush due to improved thermal stability.
 Excellent mechanical strength.
 Excellent thermal stability.
Seal Materials: Epoxy (Standard) or Ryton

Element ID	Thickness	Probe Life
FL05	5 mil	2.5 mil
FL10	10 mil	5 mil
FL20	20 mil	10 mil
FL40	40 mil	20 mil



Wire Loop

Good general purpose element.
 Good mechanical strength.
 Good thermal stability.
 Flow shield may be required for high-velocity systems.
Seal Materials: Glass (Standard), Epoxy, or Teflon

Element ID	Thickness	Probe Life
WR40	40 mil	10 mil
WR80	80 mil	20 mil



Small Flush

Ideal for pigged pipelines or high-velocity systems where intrusion into the flow stream is not permitted.
 Typically used only when access point is too small for Large Flush.
 Excellent mechanical strength.
 Good thermal stability.
Seal Material: Epoxy

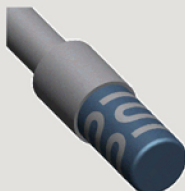
Element ID	Thickness	Probe Life
FS04	4 mil	2 mil
FS08	8 mil	4 mil
FS20	20 mil	10 mil



Tube Loop

Thinner element provides higher sensitivity but can be delicate.
 Typically used for low-corrosion systems.
 Moderate mechanical strength.
 Good thermal stability.
 Flow shield is recommended.
Seal Materials: Glass (Standard), Epoxy, or Teflon

Element ID	Thickness	Probe Life
TU04	4 mil	2 mil
TU08	8 mil	4 mil



Spiral

Thinner element provides higher sensitivity but can be delicate.
 Typically used for low-corrosion systems.
 Good mechanical strength.
 Good thermal stability.
Seal Material: Epoxy

Element ID	Thickness	Probe Life
SP10	10 mil	5 mil
SP20	20 mil	10 mil



Strip Loop

Thinner element provides higher sensitivity but can be delicate.
 Typically used for low-corrosion systems, and for special alloys.
 Low mechanical strength
 Good thermal stability
 Flow shield may be required for high-velocity systems
Seal Material: Epoxy

Element ID	Thickness	Probe Life
SL05	5 mil	1.25 mil
SL10	10 mil	2.5 mil